

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

**Revocation of Power of Attorney with New Power of Attorney**

HTC Corporation, as assignee of record of the entire right, title and interest in each of the patent application(s) or patent(s) listed as below, hereby revoke all powers of attorney previously given in each of the listed patent application(s) or patent(s) and appoint all practitioners associated with the Customer Number:

27765

as the attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all of the listed patent application(s) and patent(s).

Please recognize or change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

**Statement under 37 CFR 3.73(b)**

I hereby state that, as required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. The chain of title is indicated as below

| Appl. No.  | Filing Date | Title  | Chain of Title |  |   |   |
|------------|-------------|--|----------------|--|---|---|
|            |             |  | No.            | from   | to  | Reel/Frame No.                                      |
| 08/014,181 | 1993/02/05  | KEY-RANGE LOCKING WITH INDEX TREES   | 1              | LOMET, DAVID B.<br>GREEN, RUSSELL J.                         | DIGITAL EQUIPMENT CORPORATION               | 006530/0038   |
|            |             |  | 2              | DIGITAL EQUIPMENT CORPORATION<br>COMPAQ COMPUTER CORPORATION | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012447/0903   |
|            |             |  | 3              | COMPAQ INFORMATION TECHNOLOGIES GROUP LP                     | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 014102/0224   |
|            |             |  | 4              | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                    | HTC Corporation                             | attached and concurrently submitted for recordation |
| 08/014,188 | 1993/02/05  | CONCURRENCY-CONTROL METHOD AND APPARATUS IN A DATABASE MANAGEMENT SYSTEM UTILIZING | 1              | LOMET, DAVID BRUCE<br>GREEN, RUSSELL JOHN                    | DIGITAL EQUIPMENT CORPORATION               | 006530/0486   |

|            |            |  |                             |   |  |   |   |
|------------|------------|--|-----------------------------|---|--|---|---|
|            |            |  | KEY-VALUED LOCKING          | 2 | DIGITAL EQUIPMENT CORPORATION<br>COMPAQ COMPUTER CORPORATION | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012447/0903   |
|            |            |  |                             | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP LP                     | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 014102/0224   |
|            |            |  |                             | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                    | HTC Corporation                             | attached and concurrently submitted for recordation |
|            |            |  |                             | 1 | STEPHENS, CHARLES S.   | HEWLETT-PACKARD COMPANY                     | 006627/0510   |
| 08/017,215 | 1993/02/11 |  | CURRENT STABILIZING CIRCUIT | 2 | HEWLETT-PACKARD COMPANY                                      | HEWLETT-PACKARD COMPANY                     | 011523/0469   |
|            |            |  |                             | 3 | HEWLETT-PACKARD COMPANY                                      | HTC Corporation                             | attached and concurrently submitted for recordation |

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|------------|------------|---|---|--|---|--|
| 08/220,796 | 1994/03/31 | CONSTANT CURRENT VOLTAGE<br>RESTORATION | 1 | KOMMRUSCH, STEVEN J.   | HEWLETT-PACKARD<br>COMPANY                        | 007160/0374  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/257,757 | 1994/06/09 | POWER SEQUENCING CONTROL                | 1 | WISSELL, DANIEL  | DIGITAL EQUIPMENT<br>CORPORATION                  | 007032/0270  |
|            |            |   | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |

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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.              | HTC Corporation   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/268,918 | 1994/06/30 | REDUNDANT POWER MIXING ELEMENT<br>WITH FAULT DETECTION FOR DC-TO-DC<br>CONVERTER | 1 | ALDRIDGE, DAVID L.<br>BISSELL, STEPHEN R.<br>GUNN, DANIEL D. | TANDEM COMPUTERS<br>INCORPORATED  | 007125/0166  |
|            |            |  | 2 | TANDEM COMPUTERS<br>INCORPORATED                             | COMPAQ COMPUTER<br>CORPORATION, A<br>DELAWARE<br>CORPORATION                      | 014506/0598  |
|            |            |  | 3 | COMPAQ COMPUTER<br>CORPORATION                               | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P., A TEXAS LIMITED<br>PARTNERSHIP | 014506/0133  |
|            |            |  | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.                                   | 014428/0584  |

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|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | SINGH, JITENDRA K.   | HEWLETT-PACKARD<br>COMPANY                        | 007384/0202  |
| 08/315,280 | 1994/09/29 | METHOD OF PREVENTING SOFTWARE<br>PIRACY BY UNIQUELY IDENTIFYING THE<br>SPECIFIC MAGNETIC STORAGE DEVICE<br>THE SOFTWARE IS STORED ON | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |  | 3 | HEWLETT-PACKARD<br>COMPANY   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/349,474 | 1994/12/05 | COMMITMENT ORDERING FOR<br>GUARANTEEING SERIALIZABILITY<br>ACROSS DISTRIBUTED TRANSACTIONS   | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |  | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |

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|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | KOTZUR, GARY B.                                 | COMPAQ COMPUTER<br>CORPORATION                    | 007424/0468  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/366,778 | 1994/12/30 | CIRCUIT FOR ENSURING THAT A LOCAL<br>INTERRUPT CONTROLLER IN A<br>MICROPROCESSOR IS POWERED UP<br>ACTIVE |   |   |   |  |

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|            |            |   | 1 | KARP, ALAN H.<br>AMERSON, FREDERIC C.<br>BRZEZINSKI, DENNIS<br>GUPTA, RAJIV<br>WORLEY, WILLIAM S., JR. | HEWLETT-PACKARD<br>COMPANY                        | 007557/0850  |
| 08/384,308 | 1995/02/06 | VECTOR MEMORY OPERATIONS  | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/414,759 | 1995/03/31 |   | 1 | ROSSI, MARKKU J.   | COMPAQ COMPUTER<br>CORPORATION                    | 007509/0868  |
|            |            | COMMUNICATIONS APPARATUS WITH<br>ANTENNA SWITCHING BASED ON<br>ANTENNA ROTATION | 2 | COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |



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|------------|------------|--|---|---|---|---|
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                           | attached and concurrently submitted for recordation |
|            |            |  | 1 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD COMPANY                   | 011523/0469   |
| 08/427,467 | 1995/04/24 | DISPLAY MODE PROCESSOR   | 2 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 026945/0699   |
|            |            |  | 3 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                           | attached and concurrently submitted for recordation |
| 08/441,892 | 1995/05/16 | SYSTEM ADMINISTRATION MODULE FOR AN OPERATING SYSTEM AFFORDS GRADED RESTRICTED ACCESS PRIVILEGES | 1 | HEISERMAN, TAMMY A. ADAMS, ALAND B.       | HEWLETT-PACKARD COMPANY                   | 007739/0334   |
|            |            |  | 2 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD COMPANY                   | 011523/0469   |

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|            |            |  | 3 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.                                   | 026945/0699  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | HORST, ROBERT W.                                | TANDEM COMPUTERS<br>INCORPORATION   | 007595/0688  |
|            |            |  | 2 | TANDEM COMPUTERS<br>INCORPORATED                | COMPAQ COMPUTER<br>CORPORATION, A<br>DELAWARE<br>CORPORATION                      | 014506/0598  |
|            |            |  | 3 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P., A TEXAS LIMITED<br>PARTNERSHIP | 014506/0133  |
|            |            |  | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.                                   | 014428/0584  |
| 08/484,281 | 1995/06/07 | LOGICAL, FAIL-FUNCTIONAL, DUAL<br>CENTRAL PROCESSOR UNITS FORMED<br>FROM THREE PROCESSOR UNITS |   |   |   |  |

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|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.   | HTC Corporation                  | attached and<br>concurrently<br>submitted for<br>recording |
| 08/485,217 | 1995/06/07 | FAIL-FAST, FAIL-FUNCTIONAL,<br>FAULT-TOLERANT MULTIPROCESSOR<br>SYSTEM | 1 | HORST, ROBERT W.<br>BAKER, WILLIAM EDWARD<br>BANTON, RANDALL G.<br>BROWN, JOHN MICHAEL<br>BRUCKERT, WILLIAM F.<br>BUNTON, WILLIAM<br>PATTERSON<br>CAMPBELL, GARY F.<br>CODDINGTON, JOHN<br>DEANE<br>CUTTS, RICHARD W., JR.<br>DREXLER, BARRY LEE<br>ELROD, HENRY FRANK<br>FOWLER, DANIEL L.<br>GARCIA, DAVID J. | TANDEM COMPUTERS<br>INCORPORATED | 007834/0649  |

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|  |  |  | <p>HINTIKKA, PAUL N.</p> <p>ISWANDHI, GEOFFREY I.</p> <p>JEWETT, DOUGLAS EUGENE</p> <p>JONES, CURTIS WILLARD, JR.</p> <p>KLECKA, JAMES STEVENS</p> <p>KRAUSE, JOHN C.</p> <p>LOW, STEPHEN G.</p> <p>MEREDITH, SUSAN STONE</p> <p>MEYERS, STEVEN C.</p> <p>SONNIER, DAVID PAUL</p> <p>WATSON, WILLIAM JOEL</p> <p>WHITESIDE, PATRICIA L.</p> <p>WILLIAMS, FRANK A.</p> <p>ZALZALA, LINDA ELLEN</p> |   |  |             |
|  |  |  | <p>TANDEM COMPUTERS<br/>INCORPORATED</p>  | 2 | <p>COMPAQ COMPUTER<br/>CORPORATION, A<br/>DELAWARE<br/>CORPORATION</p> | 014506/0598 |

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|            |            |   | 3 | COMPAQ COMPUTER CORPORATION                 | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P., A TEXAS LIMITED PARTNERSHIP | 014506/0133   |
|            |            |   | 4 | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                                | 014428/0584   |
|            |            |   | 5 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | HTC Corporation  | attached and concurrently submitted for recordation |
|            |            |   | 1 | HEWLETT-PACKARD COMPANY                     | HEWLETT-PACKARD COMPANY  | 011523/0469   |
| 08/785,192 | 1997/01/17 | APPARATUS, SYSTEMS AND METHOD FOR IMPROVING MEMORY BANDWIDTH UTILIZATION IN VECTOR PROCESSING SYSTEMS | 2 | HEWLETT-PACKARD COMPANY                     | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                                | 026945/0699   |
|            |            |   | 3 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | HTC Corporation  | attached and concurrently submitted for recordation |
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| 08/501,288 | 1995/07/12 | ADAPTIVE REPEATER SYSTEM                       | 1 | BENNETT, ARTHUR T.  | NETWORTH, INC., A CORP.<br>OF DELAWARE            | 007583/0393  |
|            |            |  | 2 | NETWORTH, INC. A<br>CORPORATION OF THE<br>STATE OF DELAWARE | COMPAQ COMPUTER<br>CORPORATION                    | 007832/0210  |
|            |            |  | 3 | COMPAQ COMPUTER<br>CORPORATION                              | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |  | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.             | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/514,110 | 1995/08/11 | ATTACHING A SPEAKER TO A<br>COMPUTER COMPONENT | 1 | MUNDT, KEVIN<br>KORINSKY, GEORGE<br>DORR, BILL              | COMPAQ COMPUTER<br>CORPORATION                    | 007647/0397  |

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|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
|            |            |  | 1 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD COMPANY                     | 011523/0469   |
| 08/543,229 | 1995/10/13 | DOT CLOCK GENERATION WITH MINIMAL CLOCK SKEW | 2 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 026945/0699   |
|            |            |  | 3 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |

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|------------|------------|--|---|---|---|--|
| 08/578,409 | 1995/12/20 | SYSTEM FOR TRANSFERRING A DATA STREAM TO A REQUESTOR WITHOUT COPYING DATA SEGMENTS TO EACH ONE OF MULTIPLE DATA SOURCE/SINKS DURING DATA STREAM BUILDING | 1 | FISHLER, LEONARD R.<br>ZARGHAM, BAHMAN          | TANDEM COMPUTERS<br>INCORPORATED  | 008011/0921  |
|            |            |  | 2 | TANDEM COMPUTERS<br>INCORPORATED                | COMPAQ COMPUTER<br>CORPORATION, A<br>DELAWARE<br>CORPORATION                      | 014506/0598  |
|            |            |  | 3 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P., A TEXAS LIMITED<br>PARTNERSHIP | 014506/0133  |
|            |            |  | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.                                   | 014428/0584  |
|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/590,658 | 1996/01/24 | DETECTING INSIDENESS OF A<br>RECTANGLE TO AN ARBITRARY   | 1 | CLAIBORNE, STEVEN J.<br>PAPKE, JEFF H.          | HEWLETT-PACKARD<br>COMPANY  | 007958/0152  |



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|            |            | POLYGON   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                                  | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | SIEMENS PRODUCT<br>LIFECYCLE<br>MANAGEMENT<br>SOFTWARE INC. | 020478/0511  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/603,061 | 1996/02/20 | METHOD AND APPARATUS FOR GUIDED<br>CONFIGURATION OF UNCONFIGURED<br>NETWORK AND INTERNETWORK<br>DEVICES | 1 | HANSEN, PETER A.                                | COMPAQ COMPUTER<br>CORPORATION                              | 007876/0148  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P.           | 012418/0222  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.             | 015000/0305  |

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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | FAULK, RICHARD A.                               | COMPAQ COMPUTER<br>CORPORATION                    | 007875/0366  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
| 08/605,394 | 1996/02/22 | PULSE WIDTH MODULATION BIAS TO<br>MINIMIZE EFFECT OF NOISE DUE TO<br>RAMP SWITCHING | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/605,724 | 1996/02/22 | COMPUTER BATTERY PACK CHARGE<br>CURRENT SENSOR WITH GAIN CONTROL                    | 1 | FAULK, RICHARD A.<br>SCHLUTER, JOHN C.          | COMPAQ COMPUTER<br>CORPORATION                    | 007903/0105  |

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|            |            |   | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |   | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |   | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
| 08/605,727 | 1996/02/22 | SENSOR CIRCUIT FOR PROVIDING MAXIMUM AND MINIMUM CELL VOLTAGES OF A BATTERY | 1 | FAULK, RICHARD A.                         | COMPAQ COMPUTER CORPORATION                 | 007895/0246   |
|            |            |   | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |   | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |  | 1 | FRITZ, BRIAN C.                                 | COMPAQ COMPUTER<br>CORPORATION                    | 007975/0068  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
| 08/613,441 | 1996/03/04 |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/637,521 | 1996/04/25 |  | 1 | SCHNELL, ARNOLD<br>THOMAS                       | COMPAQ COMPUTER<br>CORPORATION                    | 007994/0504  |

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|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
|            |            |  | 1 | HOLLER, ANNE M.<br>SHAH, LACKY V.         | HEWLETT-PACKARD COMPANY                     | 007996/0974   |
| 08/649,142 | 1996/05/14 | EXPLOITING UNTAGGED BRANCH PREDICTION CACHE BY RELOCATING BRANCHES | 2 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD COMPANY                     | 011523/0469   |
|            |            |  | 3 | HEWLETT-PACKARD COMPANY                   | HTC Corporation                             | attached and concurrently submitted for recordation |
| 08/655,054 | 1996/05/29 | METHOD AND APPARATUS FOR DETECTING CACHE COLLISIONS IN A           | 1 | BUCK-GENGLER, JOEL                        | HEWLETT-PACKARD COMPANY                     | 008158/0617   |

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|            |            | TWO DIMENSIONAL MEMORY  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/668,848 | 1996/06/24 | PORTABLE PERSONAL COMPUTERS<br>WITH MULTI-DIRECTIONAL INFRARED<br>COMMUNICATION | 1 | BRAUEL, ERIC S.                                 | COMPAQ COMPUTER<br>CORPORATION                    | 008060/0129  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |

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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | JANSEN, ARIAN                                   | HEWLETT-PACKARD<br>COMPANY                      | 008272/0440  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
| 08/675,301 | 1996/07/01 | SWITCHED MODE POWER SUPPLY WITH<br>POWER FACTOR CORRECTION | 3 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 08/675,302 | 1996/07/01 | POWER SUPPLY WITH MINIMAL<br>DISSIPATION OUTPUT STAGE      | 1 | JANSEN, ARIAN                                   | HEWLETT-PACKARD<br>COMPANY                      | 008272/0549  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |

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|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
| 08/723,281 | 1996/09/30 | AUDIO SYSTEM FOR A PERSONAL<br>COMPUTER | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |



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| 08/728,422 | 1996/10/10 | MULTI-OS NETWORKING ENVIRONMENT             | 1 | VAN GAASBECK, RICHARD<br>HENRY<br>PILLALAMARRI, SHYAM<br>LLNICKI, SLAWOMIR | HEWLETT-PACKARD<br>COMPANY                        | 008306/0902  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/753,928 | 1996/12/03 | TRANSFORMER-ISOLATED PULSE DRIVE<br>CIRCUIT | 1 | FAULK, RICHARD A.  | COMPAQ COMPUTER<br>CORPORATION                    | 008289/0707  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |

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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                                  | HTC Corporation   | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |   | 1 | MATTSON, H. DAVID<br>WATSON, WILLIAM J.<br>GARCIA, DAVID J.<br>SONNIER, DAVID P. | TANDEM COMPUTERS<br>INCORPORATED  | 008409/0591  |
| 08/764,115 | 1996/12/09 | METHOD AND APPARATUS FOR<br>CONFIGURING ROUTING PATHS OF A<br>NETWORK COMMUNICATIVELY<br>INTERCONNECTING A NUMBER OF<br>PROCESSING ELEMENTS | 2 | TANDEM COMPUTERS<br>INCORPORATED   | COMPAQ COMPUTER<br>CORPORATION, A<br>DELAWARE<br>CORPORATION                      | 014506/0598  |
|            |            |   | 3 | COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P., A TEXAS LIMITED<br>PARTNERSHIP | 014506/0133  |
|            |            |   | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.                                   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.                                   | 014428/0584  |

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|            |            |   | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |   | 1 | FARABOSCHI, PAOLO<br>FISHER, JOSEPH A.          | HEWLETT-PACKARD<br>COMPANY                      | 008597/0630  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
| 08/767,450 | 1996/12/16 | METHOD AND APPARATUS FOR<br>STORING AND EXPANDING<br>VARIABLE-LENGTH PROGRAM<br>INSTRUCTIONS UPON DETECTION OF A<br>MISS CONDITION WITHIN AN<br>INSTRUCTION CACHE CONTAINING<br>POINTERS TO COMPRESSED<br>INSTRUCTIONS FOR WIDE INSTRUCTION<br>WORD PROCESSOR ARCHITECTURES | 3 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/775,272 | 1997/03/27 | METHODS FOR CATALOGING GRAPHICS<br>PRIMITIVES BY RENDERING STATE  | 1 | BROWN, JOHN M.<br>MEHROTRA, GAUTAM              | HEWLETT-PACKARD<br>COMPANY                      | 008689/0853  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |

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|            |            |  | 3 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | BEN-MICHAEL, SIMONI<br>PERLMAN, SHUKI                              | DIGITAL EQUIPMENT<br>CORPORATION                  | 008355/0060  |
|            |            |  | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/779,879 | 1997/01/06 | AUTOMATIC DETECTION OF A SIMILAR<br>DEVICE AT THE OTHER END OF A WIRE<br>IN A COMPUTER NETWORK |   |  |   |  |

|            |            |   |   |   |   |  |
|------------|------------|---|---|---|---|--|
| 08/789,260 | 1997/01/28 | METHOD AND APPARATUS FOR<br>TOLERATING POWER OUTAGES OF<br>VARIABLE DURATION IN A<br>MULTI-PROCESSOR SYSTEM | 1 | JARDINE, ROBERT L.<br>REEVES, LARRY D.<br>BASAVAIAH, MURALI<br>EASOP, GARRY | TANDEM COMPUTERS<br>INCORPORATED                  | 008611/0543  |
|            |            |   | 2 | TANDEM COMPUTERS<br>INCORPORATED  | COMPAQ COMPUTER<br>CORPORATION                    | 011368/0741  |
|            |            |   | 3 | COMPAQ COMPUTER<br>CORPORATION  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |   | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                                | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                             | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/796,829 | 1997/02/06 | OFF-LINE CLOCK SYNCHRONIZATION<br>FOR MULTIPROCESSOR EVENT TRACES   | 1 | HALSTEAD, ROBERT H., JR.<br>BUFF, ROBERT                                    | DIGITAL EQUIPMENT<br>CORPORATION                  | 009936/0524  |

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|            |            |  | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |  | 1 | BONTEMPS, EVAN J.<br>GAGLIARDI, LOUIS R.                           | COMPAQ COMPUTER<br>CORPORATION                    | 008488/0283  |
| 08/823,512 | 1997/03/24 |  | 2 | COMPAQ COMPUTER<br>CORPORATION                                     | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                       | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |

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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                         | HTC Corporation                        | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | WAKELEY, TIMOTHY<br>LEUNG, SAMUEL<br>LIU, SHUOSEN ROBERT<br>TANG, KEUNG | HEWLETT-PACKARD<br>COMPANY             | 008598/0903  |
| 08/829,668 | 1997/03/31 | METHOD AND APPARATUS FOR<br>PROVIDING 10BASE-T/100BASE-TX LINK<br>ASSURANCE | 2 | HEWLETT-PACKARD<br>COMPANY  | HEWLETT-PACKARD<br>COMPANY             | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY  | HTC Corporation                        | attached and<br>concurrently<br>submitted for<br>recording |
| 08/871,157 | 1997/06/06 | SYSTEM AND METHOD FOR INTERNET<br>GATEWAY PERFORMANCE CHARTING              | 1 | SIME, WILLIAM   | ELECTRONIC DATA<br>SYSTEMS CORPORATION | 008591/0852  |
|            |            |   | 2 | ELECTRONIC DATA<br>SYSTEMS CORPORATION                                  | ELECTRONIC DATA<br>SYSTEMS, LLC        | 022460/0948  |

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|            |            |  | 3 | ELECTRONIC DATA<br>SYSTEMS, LLC                 | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 022449/0267  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | WARRIER, PADMANAND<br>RICHTER, ROGER            | COMPAQ COMPUTER<br>CORPORATION                    | 008601/0194  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/871,323 | 1997/06/09 | SCALEABLE NETWORK SYSTEM FOR<br>REMOTE ACCESS OF A LOCAL NETWORK |   |   |   |  |



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| 08/885,089 |            | TYPING POWER                                 | 1 | CRISAN, ADRIAN                            | COMPAQ COMPUTER CORPORATION                 | 008968/0198   |
|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            | 1997/06/30 |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
|            |            | AC/DC PORTABLE POWER CONNECTING ARCHITECTURE | 1 | FAULK, RICHARD A.                         | COMPAQ COMPUTER CORPORATION                 | 009581/0828   |
| 08/885,219 | 1997/06/30 |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |

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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | MITCHELL, NATHAN<br>FREIMAN, JOSEPH F.          | COMPAQ COMPUTER<br>CORPORATION                    | 009724/0524  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012314/0394  |
| 08/885,253 | 1997/06/30 | PORTABLE FUEL-CELL-POWERED<br>SYSTEM WITH ULTRASONIC<br>ATOMIZATION OF H2O BY-PRODUCT | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 08/903,888 | 1997/07/31 | COMPUTER BATTERY PACK CHARGE<br>CURRENT SENSOR WITH GAIN CONTROL                      | 1 | FAULK, RICHARD A.<br>SCHLUTER, JOHN C.          | COMPAQ COMPUTER<br>CORPORATION                    | 007903/0105  |

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|            |            |                                  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |                                  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |                                  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
| 08/904,053 | 1997/07/31 | COMPUTER NETWORK ADDRESS MAPPING | 1 | WEIMAN, LYLE A.                           | HEWLETT-PACKARD COMPANY                     | 008810/0030   |
|            |            |                                  | 2 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD COMPANY                     | 011523/0469   |
|            |            |                                  | 3 | HEWLETT-PACKARD COMPANY                   | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 026945/0699   |

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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.      | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | MELVIN, BRUCE W.                                     | HEWLETT-PACKARD<br>COMPANY                      | 008793/0570  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                           | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
| 08/910,652 | 1997/08/13 | FLEXIBLE MULTI-FREQUENCY REPEATER  | 3 | HEWLETT-PACKARD<br>COMPANY                           | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.      | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 08/912,417 | 1997/08/18 | DATA COMMUNICATION ISOLATION<br>TRANSFORMER WITH IMPROVED<br>COMMON-MODE ATTENUATION | 1 | SHUSTERMAN, BORIS<br>METSLE, ALEX<br>THOMAS, ABRAHAM | DIGITAL EQUIPMENT<br>CORPORATION                | 009010/0718  |

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|            |            |  | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br><br>COMPAQ COMPUTER<br>CORPORATION  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012306/0286  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 018816/0834  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/979,899 | 1997/11/26 | METHOD FOR ESTIMATING STATISTICS<br>OF PROPERTIES OF INSTRUCTIONS<br>PROCESSED BY A PROCESSOR PIPELINE | 1 | CHRYSON, GEORGE Z.<br><br>DEAN, JEFFREY A.<br><br>HICKS, JAMES E., JR.<br><br>WALDSPURGER, CARL A.<br><br>WEIHL, WILLIAM E. | DIGITAL EQUIPMENT<br>CORPORATION                  | 008851/0289  |

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|            |            |   | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/980,145 | 1997/11/26 | METHOD FOR INSERTING MEMORY<br>PREFETCH OPERATIONS BASED ON<br>MEASURED LATENCIES IN A PROGRAM<br>OPTIMIZER | 1 | ANDERSON, JENNIFER-ANN<br>M.<br>DEAN, JEFFREY A.<br>HICKS, JAMES E., JR.<br>WALDSPURGER, CARL A.<br>WEIHL, WILLIAM E. | DIGITAL EQUIPMENT<br>CORPORATION                  | 008895/0574  |

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|            |            |   | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br><br>COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 08/980,167 | 1997/11/26 | METHOD FOR SCHEDULING THREADS IN<br>A MULTITHREADED PROCESSOR | 1 | CHRYSON, GEORGE Z.<br><br>DEAN, JEFFREY A.<br><br>HICKS, JAMES E., JR.<br><br>WEIHL, WILLIAM E.<br><br>WALDSPUGER, CARL A. | DIGITAL EQUIPMENT<br>CORPORATION                  | 008922/0472  |
|            |            |   | 2 | DIGITAL EQUIPMENT<br>CORPORATION   | COMPAQ COMPUTER<br>CORPORATION                    | 010861/0523  |

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|            |            |  | 3 | COMPAQ COMPUTER CORPORATION   | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012468/0763   |
|            |            |  | 4 | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P.                               | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 018847/0863   |
|            |            |  | 5 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                                 | HTC Corporation                             | attached and concurrently submitted for recordation |
| 08/987,625 | 1997/12/09 | NONINTRUSIVE MONITORING OF A COMPUTER SYSTEM'S DOWNTIME DUE TO A SUPPLY POWER OUTAGE CONDITION | 1 | LACOMBE, JOHN S.<br>YEE, PETER M.<br>GAUDET, RENE R.<br>VAN CLEVE, ROBERT | COMPAQ COMPUTER CORPORATION                 | 008919/0313   |
|            |            |  | 2 | COMPAQ COMPUTER CORPORATION   | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012418/0222   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP                                 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |



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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
| 09/006,115 | 1998/01/13 | HIGH PERFORMANCE RECOVERABLE<br>COMMUNICATION METHOD AND<br>APPARATUS FOR WRITE-ONLY<br>NETWORKS | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                       | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/016,692 | 1998/01/30 | COMPUTER SYSTEM HAVING AN<br>INSTRUCTION FOR PROBING MEMORY<br>LATENCY                           | 1 | MORRIS, DALE C.<br>HUNT, DOUGLAS B.                                | HEWLETT-PACKARD<br>COMPANY                        | 009252/0744  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |

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|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY                               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.          | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/020,036 | 1998/02/06 | TECHNIQUE FOR PROVIDING A<br>COMPUTER GENERATED FACE HAVING<br>COORDINATED EYE AND HEAD<br>MOVEMENT | 1 | CHRISTIAN, ANDREW D.<br>AVERY, BRIAN L.<br>WATERS, KEITH | DIGITAL EQUIPMENT<br>CORPORATION                  | 008971/0853  |
|            |            |   | 2 | DIGITAL EQUIPMENT<br>CORPORATION                         | COMPAQ COMPUTER<br>CORPORATION                    | 011109/0353  |
|            |            |   | 3 | COMPAQ COMPUTER<br>CORPORATION                           | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |   | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP             | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |

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|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                               | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |  | 1 | FISHER, JOSEPH A.<br>FARABOSCHI, PAOLO<br>EMERSON, PAUL G.<br>RAJE, PRASAD A. | HEWLETT-PACKARD<br>COMPANY                      | 009269/0427  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY  | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
|            |            |  | 3 | HEWLETT-PACKARD<br>COMPANY  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                               | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 09/064,701 | 1998/04/22 | APPARATUS AND METHOD FOR<br>EFFICIENT SWITCHING OF CPU MODE<br>BETWEEN REGIONS OF HIGH<br>INSTRUCTION LEVEL PARALLISM AND<br>LOW INSTRUCTION LEVEL PARALLISM<br>IN COMPUTER PROGRAMS | 1 | HEWLETT-PACKARD<br>COMPANY  | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
| 09/070,439 | 1998/04/30 | AUTOMATIC EXTRACTION OF<br>METADATA USING A NEURAL NETWORK   |   |   |   |  |

|            |            |   |   |  |   |  |
|------------|------------|---|---|--|---|--|
|            |            |   | 2 | SHMUELL, ODES<br>GREIG, DARRYL<br>STAEIN, CARL<br>TAMIR, TAMI                        | HEWLETT-PACKARD<br>COMPANY                      | 009503/0028  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 09/073,211 | 1998/05/04 | CONTROL PATH EVALUATING TRACE<br>DESIGNATOR WITH DYNAMICALLY<br>ADJUSTABLE THRESHOLDS FOR<br>ACTIVATION OF TRACING FOR HIGH<br>(HOT) ACTIVITY AND LOW(COLD)<br>ACTIVITY OF FLOW CONTROL | 1 | BENITEZ, MANUEL E.<br>MATTSON, JAMES S., JR.<br>BUZBEE, WILLIAM B.<br>SHAH, LACKY V. | HEWLETT-PACKARD<br>COMPANY                      | 009285/0505  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>COMPANY                      | 011523/0469  |
|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |

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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.           | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | GABLER, JEFFREY R<br>STARNE, DARRELL J.                   | COMPAQ COMPUTER<br>CORPORATION                    | 009393/0992  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                            | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012471/0168  |
| 09/132,952 | 1998/08/12 | METHOD AND SYSTEM CONDENSING<br>ANIMATED IMAGES  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP              | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.           | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/149,509 | 1998/09/08 | TRACEABLE SELF-CONTAINED<br>PROGRAMMABLE FREQUENCY SOURCE<br>FOR PERFORMING ALTERNATE TEST SITE<br>AND OPEN AREA TEST SITE | 1 | HALL, KENNETH S.<br>POMMERENKEE, DAVID<br>KOLB, LOWELL E. | HEWLETT-PACKARD<br>COMPANY                        | 009505/0721  |

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|            |            | COMPARISONS                              | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | SCHROTER, BERNHARD<br>NG, WILLIAM                                  | DIGITAL EQUIPMENT<br>CORPORATION                  | 009496/0504  |
|            |            |  | 2 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012447/0903  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014102/0224  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/162,667 | 1998/09/29 | LOW PROFILE SURFACE MOUNT<br>TRANSFORMER |   |  |   |  |

|            |            |  |   |   |   |   |
|------------|------------|--|---|---|---|---|
| 09/179,740 | 1998/10/27 | NETWORK NODE WITH INTERNAL BATTERY BACKUP                                      | 1 | NGUYEN, HAI N.                            | COMPAQ COMPUTER CORPORATION                 | 009551/0452   |
|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012471/0015   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/181,797 | 1998/10/28 | STATE-OF-CHARGE-MEASURABLE BATTERIES   | 1 | MYERS, TIMOTHY F.                         | HEWLETT-PACKARD COMPANY                     | 009751/0449   |
|            |            |  | 2 | HEWLETT-PACKARD COMPANY                   | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/182,925 | 1998/10/30 | METHOD AND APPARATUS FOR RECOVERING DATA FROM A DIFFERENTIAL PHASE SHIFT KEYED | 1 | HE, MING R.<br>LIU, CE RICHARD            | COMPAQ COMPUTER CORPORATION                 | 009724/0555   |

|            |            |  |   |   |   |   |
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|            |            | SIGNAL   | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012552/0917   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/191,262 | 1998/11/12 | MANUFACTURE OF SOFTWARE DISTRIBUTION MEDIA PACKAGES FROM COMPONENTS RESIDENT ON A REMOTE SERVER SOURCE | 1 | GAZDIK, CHARLES J.                        | HEWLETT-PACKARD COMPANY                     | 009709/0742   |
|            |            |  | 2 | HEWLETT-PACKARD COMPANY                   | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/209,778 | 1998/12/11 | METHOD OF USING PRIMARY AND SECONDARY PROCESSORS   | 1 | HEWLETT-PACKARD LIMITED                   | HEWLETT-PACKARD COMPANY                     | 009675/0575   |



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|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 026945/0699  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
| 09/223,537 | 1998/12/30 | DIAGNOSTIC MODULE DISPATCHER                                    | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/232,409 | 1999/01/15 | AUTOMATIC SYNCHRONIZATION OF<br>STATE COLORS ACROSS A WEB-BASED | 1 | YORK, JUSTIN E.                                 | COMPAQ COMPUTER<br>CORPORATION                    | 009939/0652  |

|            |            |                                  |   |  |   |   |
|------------|------------|----------------------------------|---|--|---|---|
|            |            | SYSTEM                           | 2 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP  | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |                                  | 3 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.  | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/264,347 | 1999/03/08 | PARALLEL PIPELINED MERGE ENGINES | 1 | HEIRICH, ALAN<br>MOLL, LAURENT<br>SHAND, MARK<br>TAM, ALBERT<br>HORST, ROBERT W. | COMPAQ COMPUTER CORPORATION                 | 010063/0966   |
|            |            |                                  | 2 | COMPAQ COMPUTER CORPORATION  | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012375/0168   |
|            |            |                                  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP LP   | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 014628/0103   |

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|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | HEIRICH, ALAN                                   | COMPAQ COMPUTER<br>CORPORATION                    | 010047/0190  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012374/0964  |
| 09/264,369 | 1999/03/08 | USING IRRADIANCE TEXTURES FOR<br>PHOTOREALISTIC IMAGE GENERATION                                     | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 016386/0526  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/272,810 | 1999/03/19 | A SYSTEM FOR ABORTING RESPONSE TO<br>CLIENT REQUEST IF DETECTING<br>CONNECTION BETWEEN CLIENT SERVER | 1 | CARTER, RICHARD J.<br>CHERKASOVA, LUDMILA       | HEWLETT-PACKARD<br>COMPANY                        | 009953/0864  |

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|            |            | IS CLOSED BY EXAMINING LOCAL<br>SERVER INFORMATION  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.    | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/297,499 | 2002/01/04 | METHOD AND APPARATUS FOR<br>PATTERN RECOGNITION USING A<br>RECOGNITION DICTIONARY<br>PARTITIONED INTO SUBCATEGORIES | 1 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>COMPANY                        | 011523/0469  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/303,222 | 1999/04/30 | METHOD AND APPARATUS FOR<br>PRESENTING VIDEO ON A DISPLAY<br>MONITOR ASSOCIATED WITH A<br>COMPUTER                  | 1 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012418/0222  |
|            |            |   | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |

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|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                                  | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | SONNIER, DAVID P.<br>WATSON, WILLIAM J.<br>MIZELL, ROBERT B.<br>HORST, ROBERT W. | COMPAQ COMPUTER<br>CORPORATION                    | 010173/0590  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012403/0556  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.                                   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 016386/0526  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                                  | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/312,923 | 1999/05/17 | TRANSPOSE TABLE BIASED<br>ARBITRATION SCHEME. |   |  |   |  |

|            |            |  |   |  |   |  |
|------------|------------|--|---|--|---|--|
| 09/327,097 | 1999/06/07 | BACK-UP POWER ACCESSORY FOR A<br>COMPUTER        | 1 | HEWLETT-PACKARD<br>FRANCE S.A.<br>LIOUX, BERNARD<br>COMBE, JEAN-PIERRE | HEWLETT-PACKARD<br>COMPANY                        | 010215/0954  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/327,896 | 1999/06/08 | ADMINISTRATIVE CONTROL AND<br>SECURITY OF MODEMS | 1 | DURKIN, DAVID P.   | COMPAQ COMPUTER<br>CORPORATION                    | 010285/0613  |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012472/0708  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                           | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                        | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |

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|------------|------------|--|---|---|---|---|
| 09/329,039 | 1999/06/09 | A METHOD AND APPARATUS FOR TESTING ASL PLUG AND PLAY CODE IN AN ACPI OPERATING SYSTEM. | 1 | CHAIKEN, CRAIG L.                         | COMPAQ COMPUTER CORPORATION                 | 010038/0842   |
|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012472/0722   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/350,507 | 1999/07/09 | INTEGRATED CONNECTOR MODULE FOR PERSONAL COMPUTERS                                     | 1 | LOW, CHOR LENG<br>HAL, HUANG              | COMPAQ COMPUTER CORPORATION                 | 010108/0589   |
|            |            |  | 2 | COMPAQ COMPUTER CORPORATION               | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012553/0594   |
|            |            |  | 3 | COMPAQ INFORMATION TECHNOLOGIES GROUP, LP | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 015000/0305   |

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|            |            |   | 4  | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.             | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1  | ANNE, RAMAKRISHNA<br>WATTS, ROBERT F.                       | COMPAQ COMPUTER<br>CORPORATION                    | 010130/0663  |
|            |            |   | 2  | COMPAQ COMPUTER<br>CORPORATION                              | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012562/0406  |
| 09/359,018 | 1999/07/22 | DUAL MODE PHONE LINE NETWORKING<br>MODEM UTILIZING CONVENTIONAL<br>TELEPHONE WIRING | 3  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, LP                | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 4  | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.             | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/364,245 | 1999/7/22  | Method and apparatus for delaying the<br>execution of dependent loads               | 1. | KESSLER, RICHARD E.<br>RAZDAN, RAHUL<br>MCLELLAN, EDWARD J. | DIGITAL EQUIPMENT<br>CORPORATION                  | 010161/0715  |



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|            |            |   | 2 | DIGITAL EQUIPMENT CORPORATION                                  | COMPAQ COMPUTER CORPORATION                 | 011776/0688   |
|            |            |   | 3 | COMPAQ COMPUTER CORPORATION                                    | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012403/0230   |
|            |            |   | 4 | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P.                    | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 019365/0994   |
|            |            |   | 5 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                      | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/368,546 | 1999/08/04 | BATTERY CHARGER WITH DETACHABLE MECHANICAL ADAPTERS AND FOLD-OUT CONNECTORS | 1 | HELOT, JACQUES H.<br>DEROCHER, MICHAEL D.<br>BLIVEN, ROBERT P. | HEWLETT-PACKARD COMPANY                     | 010421/0927   |
|            |            |   | 2 | HEWLETT-PACKARD COMPANY  | HTC Corporation                             | attached and concurrently submitted for recordation |

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|------------|------------|---|---|--|---|---|
| 09/400,795 | 1999/09/21 | VERTICAL DOCKING AND POSITIONING APPARATUS FOR A PORTABLE COMPUTER  | 1 | JANIK, CRAIG M.<br>LILLIOS, TONY<br>MORGAN, GARTH<br>ROHRBACH, MATTHEW | SPECK PRODUCT DESIGN                      | 010434/0572   |
|            |            |   | 2 | SPECK PRODUCT DESIGN   | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 022529/0524   |
|            |            |   | 3 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                              | HTC Corporation                           | attached and concurrently submitted for recordation |
| 09/430,361 | 1999/10/28 | PREFETCH INSTRUCTION FOR AN UNPREDICTED PATH INCLUDING A FLUSH FIELD FOR INDICATING WHETHER EARLIER PREFETCHES ARE TO BE DISCARDED AND WHETHER IN-PROGRESS PREFETCHES ARE TO BE ABORTED | 1 | MORRIS, DALE C.<br>CALLISTER, JAMES R.<br>UNDY, STEPHEN R.             | HEWLETT-PACKARD COMPANY                   | 010935/0571   |
|            |            |   | 2 | HEWLETT-PACKARD COMPANY  | HEWLETT-PACKARD DEVELOPMENT COMPANY L.P.  | 014061/0492   |

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|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.  | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | SOLTIS, JR., DONALD C.<br>COLON-BONET, GLENN T. | HEWLETT-PACKARD<br>COMPANY                        | 010771 /0324   |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 013780 /0741   |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | SAKARDA, PREMANAND<br>WANG, LAN                 | COMPAQ COMPUTER<br>CORPORATION                    | 010593 /0859   |
|            |            |  | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012565 /0420   |
| 09/457,169 | 1999/12/08 | SYSTEMS AND METHODS FOR VARIABLE<br>CONTROL OF POWER DISSIPATION IN A<br>PIPELINED PROCESSOR |   |   |   |  |
| 09/515,436 | 2000/02/29 | COMPREHENSIVE INTERFACE BETWEEN<br>BIOS AND DEVICE DRIVERS TO SIGNAL<br>EVENTS               |   |   |   |  |

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|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 018545/0385  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | EVERETT, GERALD L.<br>DICKEY, KENT A.           | HEWLETT-PACKARD<br>COMPANY                      | 011136/0571  |
| 09/561,813 | 2000/04/29 | SYSTEM AND METHOD FOR MULTI<br>PROCESSOR MEMORY TESTING | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 09/597,192 | 2000/06/20 |   | 1 | BUNTON, WILLIAM P.<br>WHITESIDE, PATRICIA L.    | COMPAQ COMPUTER<br>CORPORATION                  | 010921/0330  |

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|------------|------------|--|--|---|---|---|---|
|            |            |  | CORRECTION                                     | 2 | KRAUSE, JOHN  | COMPAQ COMPUTER CORPORATION                 | 011287/0120   |
|            |            |  |  | 3 | COMPAQ COMPUTER CORPORATION   | COMPAQ INFORMATION TECHNOLOGIES GROUP, L.P. | 012476/0307   |
|            |            |  |  | 4 | COMPAQ INFORMATION TECHNOLOGIES GROUP L.P.  | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | 014177/0428   |
|            |            |  |  | 5 | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.   | HTC Corporation                             | attached and concurrently submitted for recordation |
| 09/602,713 | 2000/06/26 |  | METHODS FOR PROCESSING CONDENSED COMPUTER CODE | 1 | TELEMEDIA DEVICES, INC.<br>ROSS, RICHARD A.<br>KINETECH, INC.<br>LEVENTHAL, MARGRET | HEWLETT-PACKARD COMPANY                     | 012322/0215   |
|            |            |  |  | 2 | ROSS, RICHARD A.  | TELEMEDIA DEVICES, INC.                     | 012333/0001   |

|            |            |   |   |  |   |  |
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|            |            |   | 3 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015583/0106  |
|            |            |   | 4 | HENRIKSSON, TOMAS<br>STEFFENS, ELISABETH<br>FRANCISCA MARIA        | NXP B.V.  | 025040/0494  |
|            |            |   | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 09/654,022 | 2000/09/01 | METHOD FOR VISUAL TRACKING USING<br>SWITCHING LINEAR DYNAMIC SYSTEM<br>MODELS | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012305/0373  |
|            |            |   | 2 | PAVLOVIC, VLADIMIR<br>REHG, JAMES M.                               | COMPAQ COMPUTER<br>CORPORATION                    | 011075/0229  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 027105/0937  |

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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012310/0684  |
|            |            |   | 2 | PAVLOVIC, VLADIMIR<br>REHG, JAMES M.                               | COMPAQ COMPUTER<br>CORPORATION                    | 011070/0580  |
| 09/654,300 | 2000/09/01 | METHOD FOR MOTION CLASSIFICATION<br>USING SWITCHING LINEAR DYNAMIC<br>SYSTEM MODELS | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 027105/0937  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/687,329 | 2000/10/13 | SYSTEM AND METHOD OF<br>IMPLEMENTING NETWORK CORE                                   | 1 | MITRA, SHITAL<br>CHEN, ANTHONY L.                                  | HEWLETT-PACKARD<br>COMPANY                        | 011902/0184  |

|            |            |  |   |   |  |  |
|------------|------------|--|---|---|--|--|
|            |            | PROTOCOL WITHIN A SOCKETS MODEL              | 2 | HEWLETT-PACKARD<br>COMPANY                            | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061 /0492   |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.        | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | ZEE, PIETER J VAN<br>GUPTA, ALOKE<br>MILLER, ROBERT M | HEWLETT-PACKARD<br>COMPANY                     | 011315 /0524   |
| 09/694,542 | 2000/10/23 | VALIDATION AND AUDIT OF E-MEDIA<br>DELIVERY  | 2 | HEWLETT-PACKARD<br>COMPANY                            | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061 /0492   |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.       | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
| 09/726,325 | 2000/12/01 | ELECTRONIC INK BALL POINT PEN WITH<br>MEMORY | 1 | MOREHOUSE, CHARLES C.                                 | HEWLETT-PACKARD<br>COMPANY                     | 011844 /0101   |



|            |            |   |   |  |   |  |
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|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.           | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | DICKEY, DAVID M.<br>DEBLANC, JAMES J.<br>HAYNIE, CARL R. | HEWLETT-PACKARD<br>COMPANY                      | 012074/0943  |
| 09/834,767 | 2001/04/13 | FAN BRAKE FOR REMOVABLE MODULE                                    | 2 | HEWLETT-PACKARD<br>COMPANY                               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 026945/0699  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.          | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 09/838,976 | 2001/04/20 | CONICAL COILED SPRING CONTACT FOR<br>MINIMIZING BATTERY-TO-DEVICE | 1 | MAPLE, LARRY E.  | HEWLETT-PACKARD<br>COMPANY                      | 012092/0319  |

|            |            |   |   |   |   |  |
|------------|------------|---|---|---|---|--|
|            |            | CONTACT RESISTANCE STEMMING<br>FROM INSULATING CONTAMINANT<br>LAYER ON SAME   | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013780/0741  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | MAPLE, LARRY E.                                 | HEWLETT-PACKARD<br>COMPANY                      | 012091/0270  |
| 09/838,977 | 2001/04/20 | BATTERY ARRANGEMENT FOR<br>REDUCING BATTERY TERMINAL<br>CONTACT RESISTANCE STEMMING<br>FROM INSULATING CONTAMINANT<br>LAYER ON SAME | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013780/0741  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 09/862,355 | 2001/05/21 | METHODS AND STRUCTURE FOR<br>REDUCING RESOURCE HOGGING  | 1 | JOHNSON, TEDDY C.                               | HEWLETT-PACKARD<br>COMPANY                      | 012215/0411  |

|            |            |  |   |  |  |  |
|------------|------------|--|---|--|--|--|
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061 /0492   |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P. | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | JOHNSON, TEDDY C.                              | HEWLETT-PACKARD<br>COMPANY                     | 012198/0616  |
| 09/862,538 | 2001/05/21 | METHODS AND STRUCTURE FOR<br>IMPLEMENTING WEB SERVER<br>QUALITY-OF-SERVICE CONTROL | 2 | HEWLETT-PACKARD<br>COMPANY                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061 /0492   |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P. | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |   |   |  |   |  |
|------------|------------|---|---|--|---|--|
| 09/862,781 | 2001/05/21 | PORTABLE FUEL-CELL-POWERED<br>SYSTEM WITH ULTRASONIC<br>ATOMIZATION OF H2O BY-PRODUCT | 1 | MITCHELL, NATHAN<br><br>FREIMAN, JOSEPH<br><br>COMPAQ COMPUTER<br>CORPORATION<br><br>COMPAQ INFORMATION<br>TECHNOLOGIES GROUP L.P. | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 016363/0836  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 09/871,778 | 2001/06/01 | CODE VERIFICATION SYSTEM AND<br>METHOD  | 1 | DOLLIN, CHRISTOPHER J.<br><br>GOPALAKRISHNAN,<br>VAIDESWAR   | HEWLETT-PACKARD<br>COMPANY                      | 012251/0783  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.   | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |   |   |  |  |  |
|------------|------------|---|---|--|--|--|
| 09/874,468 | 2001/06/04 | SYSTEM FOR AND METHOD OF DATA<br>COMPRESSION IN A VALUELESS DIGITAL<br>TREE REPRESENTING A BITSET | 1 | BASKINS, DOUGLAS L.<br>SILVERSTEIN, ALAN       | HEWLETT-PACKARD<br>COMPANY                     | 012258/0070  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P. | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
| 09/874,654 | 2001/06/04 | SYSTEM FOR AND METHOD OF<br>EFFICIENT, EXPANDABLE STORAGE AND<br>RETRIEVAL OF SMALL DATASETS      | 1 | BASKINS, DOUGLAS L.<br>SILVERSTEIN, ALAN J.    | HEWLETT-PACKARD<br>COMPANY                     | 012278/0386  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P. | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |  |   |  |   |  |
|------------|------------|--|---|--|---|--|
| 09/917,535 | 2001/07/27 | METHOD AND APPARATUS FOR<br>ENABLING A COMPILER TO REDUCE<br>CACHE MISSES BY PERFORMING<br>PRE-FETCHES IN THE EVENT OF<br>CONTEXT SWITCH | 1 | THOMPSON, CAROL L.<br>ZIEGLER, MICHAEL L.<br>HUCK, JEROME C.<br>DWYER, LAWRENCE D.K.B. | HEWLETT-PACKARD<br>COMPANY                        | 012426/0810  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.    | 014061/0492  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 09/948,927 | 2001/09/07 | FRAMEWORK, ARCHITECTURE, METHOD<br>AND SYSTEM FOR REDUCING LATENCY<br>OF BUSINESS OPERATIONS OF AN<br>ENTERPRISE                         | 1 | ZARGHAM, BAHMAN<br>BATTAS, GREGORY   | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012157/0481  |
|            |            |  | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 016313/0854  |

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|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
| 10/001,446 | 2001/10/31 | NETWORK, METHOD AND COMPUTER<br>READABLE MEDIUM FOR DISTRIBUTING<br>SECURITY UPDATES TO SELECT NODES<br>ON A NETWORK | 1 | TARQUINI, RICHARD PAUL<br>GALES, GEORGE SIMON   | HEWLETT-PACKARD<br>COMPANY                     | 012720/0626  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061/0492  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.  | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
| 10/011,020 | 2001/12/04 | METHOD TO ELIMINATE USER SETUP<br>FOR INSTALLATION OF BROADBAND<br>MODEMS, ROUTERS, AND INTEGRATED<br>MODEM-ROUTERS  | 1 | BALTES, WOLFGANG                                | HEWLETT-PACKARD<br>COMPANY                     | 012851/0181  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061/0492  |

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|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.   | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |
| 10/023,846 | 2001/12/21 | COMMUNICATION AND<br>AUTHENTICATION OF A COMPOSITE<br>CREDENTIAL UTILIZING OBFUSCATION | 1 | HARRISON, KEITH<br>ALEXANDER<br><br>MONAHAN, BRIAN<br>QUENTIN<br><br>MONT, MARCO CASASSA<br><br>BROWN, RICHARD | HEWLETT-PACKARD<br>COMPANY                     | 012402/0943  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P. | 014061/0492  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.   | HTC Corporation                                | attached and<br>concurrently<br>submitted for<br>recording |



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|------------|------------|---|---|---|---|--|
| 10/034,506 | 2001/12/28 | METHOD AND APPARATUS FOR<br>IMPLEMENTING LOOP COMPRESSION IN<br>A PROGRAM COUNTER TRACE | 1 | LITT, TIMOTHE<br>DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P. | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015146/0878  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 10/038,239 | 2002/01/04 | VIRTUAL MEDIA FROM A DIRECTORY<br>SERVICE   | 1 | REEVES, DRUE A.<br>NEUFELD, E. DAVID<br>DAVENPORT, CHRISTOPHER                                      | COMPAQ INFORMATION<br>TECHNOLOGIES<br>GROUP, L.P. | 012462/0207  |
|            |            |   | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014628/0103  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.   | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |  |   |   |   |  |
|------------|------------|--|---|---|---|--|
| 10/050,917 | 2002/01/22 | SELF-TESTING VIDEO DISPLAY DEVICES<br>AND METHOD OF USE THEREOF      | 1 | BRAUN, DAVID A.                                 | HEWLETT-PACKARD<br>COMPANY                      | 012990/0882  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/076,729 | 2002/02/15 | METHOD AND SYSTEM FOR CENTRAL<br>MANAGEMENT OF A COMPUTER<br>NETWORK | 1 | LAWING, ROD D.<br>MCKINLEY, JOAN E.             | ELECTRONIC DATA<br>SYSTEMS CORPORATION          | 012793/0751  |
|            |            |  | 2 | ELECTRONIC DATA<br>SYSTEMS CORPORATION          | ELECTRONIC DATA<br>SYSTEMS, LLC                 | 022460/0948  |
|            |            |  | 3 | ELECTRONIC DATA<br>SYSTEMS, LLC                 | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 022449/0267  |
|            |            |  | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

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|------------|------------|---|---|--|---|--|
| 10/115,403 | 2002/04/03 | INSTALLATION OF NETWORK SERVICES<br>IN AN EMBEDDED NETWORK SERVER | 1 | PISUPATI, RAVIKUMAR<br>NIJDAM, MARC<br>RAO, RAGHAV | HEWLETT-PACKARD<br>COMPANY                      | 013433/0405  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                         | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.    | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/125,507 | 2002/04/19 | AVAILABLE SERVER DETERMINATION                                    | 1 | FULGHUM, PATRICK<br>WELDON<br>BURKES, THERESA A.   | HEWLETT-PACKARD<br>COMPANY                      | 013042/0902  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                         | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.    | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

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|------------|------------|--|----|---|---|--|
| 10/143,081 | 2002/05/10 | ANONYMOUS TRANSACTIONS BASED<br>ON DISTRIBUTED PROCESSING                                    | 1  | VORA, POORVI L.<br>KNAPP, VERNA E.              | HEWLETT-PACKARD<br>COMPANY                      | 013091/0271  |
|            |            |  | 2  | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3  | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |  | 4  | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/143,429 | 2002/2/15  | Preserving Program Context When Adding<br>Probe Routine Calls For Program<br>Instrumentation | 1. | TSAL, JENN-YUAN<br>RAMASAMY, VINODHA            | HEWLETT-PACKARD<br>COMPANY                      | 013312/0622  |
|            |            |  | 2  | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3  | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

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| 10/160,800 | 2002/05/30 | SYSTEM AND METHOD FOR<br>CONDENSING APPLICATION SOFTWARE | 1 | DICKEY, LAURA   | HEWLETT-PACKARD<br>COMPANY                        | 013470/0052  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                              | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.         | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
|            |            | AUTONOMOUS BOOT FAILURE<br>DETECTION AND RECOVERY        | 1 | CAGLE, JOHN M.<br>ZINK, DANIEL JOHN<br>BODNER, JAMES T. | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 013061/0164  |
| 10/184,140 | 2002/06/28 |  | 2 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP             | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014628/0103  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.         | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |

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|------------|------------|--|---|--|---|---|
| 10/184,863 | 2002/06/27 | DEFERRED MEMORY ALLOCATION FOR APPLICATION THREADS       | 1 | RAO, RAGHAV                              | HEWLETT-PACKARD COMPANY                   | 013457/0425   |
|            |            |  | 2 | HEWLETT-PACKARD COMPANY                  | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 013776/0928   |
|            |            |  | 3 | HEWLETT-PACKARD COMPANY                  | HEWLETT-PACKARD DEVELOPMENT COMPANY L.P.  | 014061/0492   |
|            |            |  | 4 | HEWLETT-PACKARD DEVELOPMENT COMPANY L.P. | HTC Corporation                           | attached and concurrently submitted for recordation |
| 10/188,194 | 2002/07/01 | SYSTEM AND METHOD FOR PROVIDING A REFERENCE VIDEO SIGNAL | 1 | MYERS, ROBERT L.                         | HEWLETT-PACKARD COMPANY                   | 013448/0819   |
|            |            |  | 2 | HEWLETT-PACKARD COMPANY                  | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. | 013776/0928   |
|            |            |  | 3 | HEWLETT-PACKARD COMPANY                  | HEWLETT-PACKARD DEVELOPMENT COMPANY L.P.  | 014061/0492   |

|            |            |   |   |   |   |  |
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|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.            | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | WHITLOW, TROY CHARLES                                     | HEWLETT-PACKARD<br>COMPANY                      | 013555/0505  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY                                | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
| 10/208,097 | 2002/07/29 | FACILITY CREATION PROCESS FOR<br>CLUSTERED SERVERS                                | 3 | HEWLETT-PACKARD<br>COMPANY                                | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.            | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/214,685 | 2002/08/07 | MANIPULATING DATA IN A DATA<br>STORAGE DEVICE USING AN AUXILIARY<br>MEMORY DEVICE | 1 | PATTERSON, BRIAN L.<br>CONDEL, JONATHAN<br>DIAMOND, BRYAN | HEWLETT-PACKARD<br>COMAPANY                     | 013561/0195  |

|            |            |  |   |  |   |  |
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|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                           | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.      | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |  | 1 | HARRIS, SHAUN L.<br>PETERSON, ERIC C.<br>FISK, DAVID | HEWLETT-PACKARD<br>COMPANY                      | 013654/0069  |
| 10/237,317 | 2002/09/09 | ELECTRONIC ASSEMBLY HAVING A<br>REMOVABLE POWER SUPPLY | 2 | HEWLETT-PACKARD<br>COMPANY                           | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.      | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |



|            |            |  |   |  |   |  |
|------------|------------|--|---|--|---|--|
| 10/247,113 | 2002/09/18 | INFORMATION RESEARCH INITIATED FROM A SCANNED IMAGE MEDIA  | 1 | HENRY, STEVEN G.<br>SMITH, KRISTIN M.<br>WOLF, JOHN P. | HEWLETT-PACKARD<br>COMPANY                      | 013529/0613  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                             | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.        | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/260,781 | 2002/09/27 | PERIPHERAL DEVICES, SYSTEMS FOR PROVIDING JOB OPERATIONS FOR A PLURALITY OF HOST DEVICES, AND PERIPHERAL DEVICE MONITORING METHODS | 1 | GUILLEMIN, GUSTAVO                                     | HEWLETT-PACKARD<br>COMPANY                      | 013593/0570  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                             | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.        | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |   |   |  |   |  |
|------------|------------|---|---|--|---|--|
| 10/287,277 | 2002/11/04 | DATA QUEUEING   | 1 | PURDY, PAULENE M.  | HEWLETT-PACKARD<br>COMPANY                      | 013739/0661  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/290,760 | 2002/09/09 | Reprovisioning technique for an interconnect<br>fabric design | 1 | WARD, JULIE<br>SHAHOURNIAN, TROY<br>WILKES, JOHN<br>O'SULLIVAN, MICHAEL<br>BEYER, DIRK | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013946/0036  |
|            |            |   | 2 | HEWLETT-PACKARD<br>COMPANY   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |  |   |   |   |  |
|------------|------------|--|---|---|---|--|
| 10/300,258 | 2002/11/20 | SYSTEM AND APPARATUS FOR<br>UPGRADING CONCENTRATED<br>EXECUTABLE COMPUTER SOFTWARE<br>CODE WITHOUT RECONCENTRATION | 1 | PISUPATI, RAVIKUMAR<br>CHEN, DONGNI             | HEWLETT-PACKARD<br>COMPANY                      | 013514/0618  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/300,272 | 2002/11/20 | SYSTEM AND APPARATUS FOR<br>DYNAMICALLY UPGRADING<br>CONCENTRATED EXECUTABLE<br>COMPUTER SOFTWARE CODE             | 1 | PISUPATI, RAVIKUMAR<br>CHEN, DONGNI             | HEWLETT-PACKARD<br>COMPANY                      | 013514/0615  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |

|            |            |   |   |   |   |  |
|------------|------------|---|---|---|---|--|
| 10/314,091 | 2002/12/06 | DUAL MODE PHONE LINE NETWORKING<br>MODEM UTILIZING CONVENTIONAL<br>TELEPHONE WIRING | 1 | ANNE, RAMAKRISHNA<br>WATTS, ROBERT F.           | COMPAQ COMPUTER<br>CORPORATION                    | 010130/0663  |
|            |            |   | 2 | COMPAQ COMPUTER<br>CORPORATION                  | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012562/0406  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 015000/0305  |
|            |            |   | 4 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/337,833 | 2003/01/07 | SYSTEM AND METHOD FOR AVOIDING<br>DEADLOCK  | 1 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014628/0103  |
|            |            |   | 2 | VAN DOREN, STEPHEN R.<br>TIERNEY, GREGORY E.    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014727/0835  |

|            |            |   |   |   |   |  |
|------------|------------|---|---|---|---|--|
|            |            |   | 3 | VAN DOREN, STEPHEN R.<br>TIERNEY, GREGORY G.    | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 016008/0584  |
|            |            |   | 4 | TIERNEY, GREGORY E.                             | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 016770/0679  |
|            |            |   | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |   | 1 | FRANZ, JOHN<br>VINSON, WADE D.                  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015090/0558  |
| 10/345,785 | 2003/01/16 | COLLAPSIBLE FAN AND SYSTEM AND<br>METHOD INCORPORATING SAME | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |

|            |            |  |   |  |   |  |
|------------|------------|--|---|--|---|--|
| 10/393,960 | 2003/03/22 | REMOVABLE STORAGE OF SPEAKERS<br>WITHIN CAVITIES OF ELECTRONIC<br>DEVICE HOUSING | 1 | WILLIAMS, DAVID<br>OROSS, GLEN<br>YIN, MEMPHIS-ZHIHONG<br>DEROCHER, MICHAEL D.<br>BLIVEN, ROBERT | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 014759/0569  |
|            |            |  | 2 | WILLIAMS, DAVID<br>OROSS, GLEN<br>YIN, MEMPHIS-ZHIHONG<br>DEROCHER, MICHEL D.<br>BLIVEN, ROBERT  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015551/0919  |
|            |            |  | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.  | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/439,052 | 2003/05/14 | NATIVE LANGUAGE VERIFICATION<br>SYSTEM AND METHOD                                | 1 | TALWAR, VANISH<br>CHEN, DONGHI   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 014056/0792  |

|            |            |  |   |  |   |  |
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|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.              | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/453,043 | 2003/06/03 | SYSTEM FOR CONTROLLING<br>CLIENT-SERVER CONNECTION<br>REQUESTS | 1 | SCOREDOS, ERIC C.<br>TALGERY, HRISHIKESH<br>LIN, DAVID HSING | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 014133/0953  |
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.              | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/629,988 | 2003/07/29 | ELECTRONIC ASSEMBLY HAVING A<br>REMOVABLE POWER SUPPLY         | 1 | HARRIS, SHAUN L.<br>PETERSON, ERIC C.<br>FISK, DAVID         | HEWLETT-PACKARD<br>COMPANY                      | 013654/0069  |
|            |            |  | 2 | HEWLETT-PACKARD<br>COMPANY                                   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013776/0928  |

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|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                        | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/654,727 | 2003/09/04 | METHOD TO REGULATE TRAFFIC<br>CONGESTION IN A NETWORK                         | 1 | LEE, MAN-HO LAWRENCE   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY         | 014474/0679  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY                                 | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/662,067 | 2003/09/12 | METHOD FOR VISUAL TRACKING USING<br>SWITCHING LINEAR DYNAMIC SYSTEM<br>MODELS | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br><br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012305/0373  |
|            |            |   | 2 | PAVLOVIC, VLADIMIR<br><br>REHG, JAMES M.                               | COMPAQ COMPUTER<br>CORPORATION                    | 011075/0229  |
|            |            |   | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.                         | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 027105/0937  |



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|            |            |   | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP                        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014628/0103  |
|            |            |   | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 10/662,782 | 2003/09/15 | METHOD AND SYSTEM OF COMPLETING<br>PENDING I/O DEVICE READS IN A<br>MULTIPLE-PROCESSOR COMPUTER<br>SYSTEM | 1 | DUNCAN, SAMUEL H.<br>KOCEV, ANDREJ<br>MAYO, DAVID T.               | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P.   | 014509/0848  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                    | HTC Corporation                                   | attached and<br>concurrently<br>submitted for<br>recording |
| 10/663,938 | 2003/09/16 | METHOD FOR MOTION CLASSIFICATION<br>USING SWITCHING LINEAR DYNAMIC<br>SYSTEM MODELS                       | 1 | DIGITAL EQUIPMENT<br>CORPORATION<br>COMPAQ COMPUTER<br>CORPORATION | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP,<br>L.P. | 012310/0684  |

|            |            |  |   |   |   |  |
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|            |            |  | 2 | PAVLOVIC, VLADIMIR<br>REHG, JAMES M.            | COMPAQ COMPUTER<br>CORPORATION                  | 011070/0580  |
|            |            |  | 3 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP, L.P.  | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 027105/0937  |
|            |            |  | 4 | COMPAQ INFORMATION<br>TECHNOLOGIES GROUP LP     | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 014628/0103  |
|            |            |  | 5 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
|            |            |  | 1 | MAPLE, LARRY E.                                 | HEWLETT-PACKARD<br>COMPANY                      | 012091/0270  |
| 10/674,231 | 2003/09/29 | REDUCING BATTERY TERMINAL<br>CONTACT RESISTANCE STEMMING<br>FROM INSULATING CONTAMINANT<br>LAYER ON SAME | 2 | HEWLETT-PACKARD<br>COMPANY                      | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 013780/0741  |

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|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/687,681 | 2003/10/17 | METHOD FOR IMAGE STABILIZATION BY<br>ADAPTIVE FILTERING               | 1 | CHEN, MEI                                       | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 014633/0372  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            | METHODS AND APPARATUS FOR A<br>DUAL ADDRESS SPACE OPERATING<br>SYSTEM | 1 | MOHIDEEN, SALEEM<br>AHLUWALLA, MANISH           | HEWLETT-PACKARD<br>COMPANY                      | 014923/0203  |
| 10/692,981 | 2003/10/24 |   | 2 | MOHIDEEN, SALEEM<br>AHIUWALIA, MANISH           | HEWLETT-PACKAR<br>DEVELOPMENT<br>COMPANY        | 014998/0206  |
|            |            |   | 3 | HEWLETT-PACKAR<br>DEVELOPMENT COMPANY           | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |  |   |  |   |  |
|------------|------------|--|---|--|---|--|
| 10/706,046 | 2003/11/13 | SUPPORT  | 1 | MACHE, OLIVIER<br>HELOT, OLIVIER<br>TOURNADRE, VINCENT         | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015202/0688  |
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/793,650 | 2004/03/05 | METHODS AND DEVICES RELATING TO<br>DISTRIBUTED COMPUTING<br>ENVIRONMENTS | 1 | BREBNER, GAVIN<br>GITTLER, MIHAELA<br>VICARD, DOMINIQUE        | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015033/0302  |
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.                | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recordation |
| 10/818,599 | 2004/04/06 | ELECTRONIC WRITING SYSTEMS AND<br>METHODS                                | 1 | HARTWELL, PETER G.<br>ROSENBERG, STEVEN<br>NABERHUIS, STEVE L. | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015187/0437  |

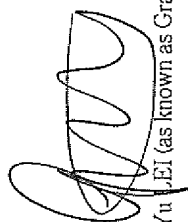
|            |            |  |   |   |   |  |
|------------|------------|--|---|---|---|--|
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.           | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/835,115 | 2004/04/30 | INTERNAL DISK ARRAY MIRROR<br>ARCHITECTURE   | 1 | COCHRAN, ROBERT ALAN<br>OSETO, DAVID E.                   | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015296/0677  |
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.           | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/864,728 | 2004/06/09 | DIAGNOSTIC METHOD, SYSTEM, AND<br>PROGRAM THAT ISOLATES AND<br>RESOLVES PARTNERSHIP PROBLEMS<br>BETWEEN A PORTABLE DEVICE AND A<br>HOST COMPUTER | 1 | SRINIVASAN, KARAMADAI<br>TRIPP, THOMAS M.<br>GILL, RAJPAL | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015466/0022  |
|            |            |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.           | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |

|            |            |   |   |  |   |  |
|------------|------------|---|---|--|---|--|
| 10/880,005 | 2004/06/28 | NETWORK-BASED MEMORY ERROR<br>DECODING SYSTEM AND METHOD  | 1 | SCHUMACHER, DEREK<br>STEVEN<br>MARTINEZ, IDIS RAMONA | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015535/0036  |
|            |            |   | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P.      | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
|            |            |   | 1 | JORGENSEN, DANIEL SCOTT                              | HEWLETT-PACKARD<br>COMPANY                      | 011645/0852  |
| 10/896,703 | 2004/07/22 | SYSTEM AND METHOD FOR<br>DISTRIBUTING LOAD AMONG<br>REDUNDANT INDEPENDENT STATEFUL<br>WORLD WIDE WEB SERVER SITES | 2 | HEWLETT-PACKARD<br>COMPANY                           | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY L.P.  | 014061/0492  |
|            |            |   | 3 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY<br>L.P.       | HTC Corporation                                 | attached and<br>concurrently<br>submitted for<br>recording |
| 10/978,023 | 2004/10/29 | COOLING SYSTEM WITH SUBMERGED<br>FAN  | 1 | HEGDE, SHANKAR                                       | HEWLETT-PACKARD<br>DEVELOPMENT<br>COMPANY, L.P. | 015618/0814  |

|  |  |  |   |   |                 |  |
|--|--|--|---|---|-----------------|--|
|  |  |  | 2 | HEWLETT-PACKARD<br>DEVELOPMENT COMPANY,<br>L.P. | HTC Corporation | attached and<br>concurrently<br>submitted for<br>recordation |
|--|--|--|---|---|-----------------|--|

Pursuant to 37 CFR 3.71, I hereby state the prosecution of the listed application(s) or reexamination of the listed patent(s) is to be conducted to the exclusion of both the inventor(s) and previous assignee(s).

The undersigned is authorized to act on behalf of the assignee.



Signature

Date January 19, 2012

Name Yih-Yu Lei (as known as Grace Y. Lei)

Title General Counsel

## **Exhibit B**

### **ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS**

**WHEREAS**, Hewlett-Packard Development Company, L.P., a limited partnership established and existing under the laws of the State of Texas and having its registered place of business at 20555 S.H. 249 Houston, Texas 77070, U.S.A. and Hewlett-Packard Company, a corporation organized and existing under the laws of the State of Delaware and having its principal place of business at 3000 Hanover Street, Palò Alto, California 94304, U.S.A. (collectively "HP") are the owners of record, either individually or collectively, of the Assigned Patents (as defined below);

**WHEREAS**, HTC Corporation ("Purchaser"), a corporation duly organized and existing under and by virtue of the laws of Taiwan, and having a place of business at No. 23 Xinghua Road, Taoyuan City, Taoyuan County 330, Taiwan, is desirous of acquiring the entire interest in and to the Assigned Patents (as defined below);

**WHEREAS**, HP and Purchaser have entered into a Patent Purchase and Sale Agreement for certain patents and patent applications dated November 11, 2011 ("Purchase and Sale Agreement") wherein HP has agreed to sell and Purchaser has agreed to purchase the Assigned Patents subject to all prior encumbrances and licenses;

**WHEREAS**, Purchaser has agreed and covenanted in said Purchase and Sale Agreement to license back to HP certain rights under the Assigned Patents, as set forth in Sections 6.1.2 and 7.2 thereof, as a condition of and as part of the consideration for the Parties entering into the Purchase and Sale Agreement;

**WHEREAS**, this Assignment is made by HP subject to and contingent upon Purchaser concurrently providing to HP a grant-back license to the Assigned Patents and upon Purchaser and its Affiliates making certain covenants not to sue or assert the Assigned Patents, in accordance with the Purchase and Sale Agreement; and

**WHEREAS**, for the purpose of this Assignment, the following terms, whether in singular or in plural form, when used with a capital initial letter shall have the respective meanings as follows.

"Affiliate" means with respect to any person, any other Person that directly, or indirectly through one or more intermediaries, controls, is controlled by, or is under the common control of the Person in question; provided, however, that in any country where the local law or regulation does not permit foreign equity participation of more than fifty percent (50%), an "Affiliate" shall include any Person in which the Person in question owns or controls, directly or indirectly, the maximum percentage of such outstanding stock or voting rights permitted by such local law or regulation. For purposes of the foregoing, "control," including the terms "controlling," "controlled by" and "under common control with," means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.



**"Assigned Patents"** means the issued patents and patent applications listed in Appendix A of this Assignment.

**"Encumbrances"** means any commitments, licenses or other rights relating to any of the Assigned Patents, whether express, implied or otherwise, that are made, entered into or granted by, or that arise from the actions taken by, HP, any current or former Affiliate of HP, or any Person, prior to the Effective Date including, but not limited to, the commitments, licenses and rights described in Sections 5 and 6.1 of the Purchase and Sale Agreement.

**"Person"** means any natural person, corporation, company, partnership, association, sole proprietorship, trust, joint venture, non-profit entity, institute, governmental authority, trust association or other form of entity not specifically listed herein including, without limitation, HP or any of its Affiliates, or Purchaser or any of its Affiliates.

**NOW, THEREFORE**, to all whom it may concern, be it known that for good and valuable consideration to HP in hand paid, the receipt of which is hereby acknowledged, HP has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over unto said Purchaser, subject to all Encumbrances, its whole right, title, and interest in and to all of the Assigned Patents, said whole right, title, and interest in and to said Assigned Patents including all past, present, and future causes of action and claims for damages derived by reason of patent infringement thereof (to the extent such damages are not already paid, awarded or contractually owed to HP, its Affiliates or any predecessor of HP or HP's Affiliates), for said Purchaser's own use and for the use of its assigns, successors, and legal representatives to the full end of the term of each of the Assigned Patents. For clarity, the foregoing assignment does not include (i) any trademarks, trade dress, trade names, or other indicia of origin; (ii) except for inventions of the Assigned Patents, any inventions or discoveries, whether patentable or not, and registrations, invention disclosures, patents and applications therefor; (iii) any trade secrets, confidential information or know-how; (iv) any works of authorship, whether copyrightable or not; and (v) any other intellectual property or proprietary rights of HP, its Affiliates or any predecessor of HP or HP's Affiliates.

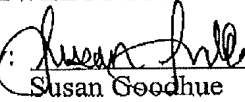
In Testimony Whereof, HP by its fully authorized representatives has executed this Assignment as of the dates indicated below.

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

By: HPQ Holdings, LLC, its General Partner

By:  Date: DEC 13 2011  
Bruce Ives, Manager  
HPQ Holdings, LLC

HEWLETT-PACKARD COMPANY

By:  Date: December 13, 2011  
Susan Goodhue  
VP & AGC, Intellectual Property Transactions  
Hewlett-Packard Company

## Appendix A of Exhibit B: List of Assigned Patents

### United States Patents

| Item # | Lot ID    | Lot Title                                       | Patent #  | Patent Title  |
|--------|-----------|---|-----------|---|
| 1      | W091106-B | PC - Audio System                               | US5666263 | Attaching a speaker to a computer component   |
| 2      | W091106-B | PC - Audio System                               | US5701347 | Audio system for a personal computer  |
| 3      | W091106-B | PC - Audio System                               | US7035086 | Removable storage of speakers within cavities of electronic device housing  |
| 4      | W100226-A | PC Power Supply                                 | US5550729 | Power sequencing control  |
| 5      | W100226-A | PC Power Supply                                 | US5682306 | Switched mode power supply with power factor correction   |
| 6      | W100226-A | PC Power Supply                                 | US5828204 | Power supply with minimal dissipation output stage  |
| 7      | W100226-A | PC Power Supply                                 | US6659779 | Electronic assembly having a removable power supply   |
| 8      | W100226-A | PC Power Supply                                 | US6773267 | Electronic assembly having a removable power supply   |
| 9      | W110603-A | PCs and Notebook Design                         | US5777628 | Method and apparatus for detecting cache collisions in a two dimensional memory   |
| 10     | W110603-A | PCs and Notebook Design                         | US5781407 | Portable personal computers with multi-directional infrared communication   |
| 11     | W110603-A | PCs and Notebook Design                         | US5896524 | Off-line clock synchronization for multiprocessor event traces  |
| 12     | W110603-A | PCs and Notebook Design                         | US6256193 | Vertical docking and positioning apparatus for a portable computer  |
| 13     | W110603-A | PCs and Notebook Design                         | US6404626 | Integrated connector module for personal computers  |
| 14     | W110603-A | PCs and Notebook Design                         | US7143321 | System and method for multi processor memory testing  |
| 15     | W110603-A | PCs and Notebook Design                         | US7145767 | Support   |
| 16     | W100312-A | Antennas and modems                             | US5640689 | Communications apparatus with antenna switching based on antenna rotation   |
| 17     | W100312-A | Antennas and modems                             | US6141690 | Computer network address mapping  |
| 18     | W100312-A | Antennas and modems                             | US6150992 | Traceable self-contained programmable frequency source for performing alternate test site and open area test site comparisons |
| 19     | W090424-C | Battery Circuitry and Backup Power Technologies | US5416403 | Current stabilizing circuit   |
| 20     | W090424-C | Battery Circuitry and Backup Power Technologies | US5488531 | REDUNDANT POWER MIXING ELEMENT WITH FAULT DETECTION.....  |
| 21     | W090424-C | Battery Circuitry and Backup Power Technologies | US6014014 | State-of-charge-measurable batteries  |
| 22     | W090424-C | Battery Circuitry and Backup Power Technologies | US6259971 | Portable fuel-cell-powered system with ultrasonic atomization of H2O by-product   |
| 23     | W090424-C | Battery Circuitry and Backup Power Technologies | US6274949 | Back-Up Power Accessory For A Computer  |
| 24     | W090424-C | Battery Circuitry and Backup Power              | US6311279 | INTERNAL BATTERY BACKUP   |

|    |           | Technologies                                    |           |  |
|----|-----------|---|-----------|--|
| 25 | W090424-C | Battery Circuitry and Backup Power Technologies | US6635383 | Conical coiled spring contact for minimizing battery-to-device contact resistance stemming from insulating contaminant layer on same |
| 26 | W090424-C | Battery Circuitry and Backup Power Technologies | US6641952 | Battery arrangement for reducing battery terminal contact resistance stemming from insulating contaminant layer on same              |
| 27 | W090424-C | Battery Circuitry and Backup Power Technologies | US6950729 | Portable fuel-cell-powered system with ultrasonic atomization of H2O by-product  |
| 28 | W090424-C | Battery Circuitry and Backup Power Technologies | US7351497 | Reducing battery terminal contact resistance stemming from insulating contaminant layer on same                                      |
| 29 | W090501-A | Battery Pack, Charger and Battery Management    | US5659238 | Computer battery pack charge current sensor with gain control  |
| 30 | W090501-A | Battery Pack, Charger and Battery Management    | US5677077 | Sensor circuit for providing maximum and minimum cell voltages of a battery  |
| 31 | W090501-A | Battery Pack, Charger and Battery Management    | US5717937 | IMPROVED CIRCUIT FOR SELECTING AND DESIGNATING A MASTER BATTERY PACK IN A COMPUTER   |
| 32 | W090501-A | Battery Pack, Charger and Battery Management    | US6160378 | Battery Charger With Detachable Mechanical Adapters And Fold-Out Connectors  |
| 33 | PSL54     | Epen  | US7193618 | Electronic ink ball point pen with memory  |
| 34 | PSL54     | Epen  | US7342575 | Electronic writing systems and methods   |
| 35 | W110204-A | Power Management                                | US5777503 | Pulse width modulation bias to minimize effect of noise due to ramp switching  |
| 36 | W110204-A | Power Management                                | US5786687 | Transformer-isolated pulse drive circuit   |
| 37 | W110204-A | Power Management                                | US5789904 | Computer battery pack charge current sensor with gain control  |
| 38 | W110204-A | Power Management                                | US5907197 | AC/DC portable power connecting architecture   |
| 39 | W110204-A | Power Management                                | US5911529 | Typing power   |
| 40 | W110204-A | Power Management                                | US6026495 | Nonintrusive monitoring of a computer system's downtime due to a supply power outage condition                                       |
| 41 | W110204-A | Power Management                                | US6046662 | Low profile surface mount transformer  |
| 42 | PSL87     | Microprocessor Architecture                     | US5495569 | Circuit for ensuring that a local interrupt controller in a microprocessor is powered up active                                      |
| 43 | PSL87     | Microprocessor Architecture                     | US5689653 | Vector memory operations   |
| 44 | PSL87     | Microprocessor Architecture                     | US5751932 | Fail-fast, fail-functional, fault-tolerant multiprocessor system   |
| 45 | PSL87     | Microprocessor Architecture                     | US5832290 | Apparatus, systems and method for improving memory bandwidth utilization in vector processing systems                                |
| 46 | PSL87     | Microprocessor Architecture                     | US5838894 | Logical, fail-functional, dual central processor units formed from three processor units   |

|    |           |  |           |   |
|----|-----------|--|-----------|---|
| 47 | PSL87     | Microprocessor Architecture            | US5870576 | Method and apparatus for storing and expanding variable-length program instructions upon detection of a miss condition within an instruction cache containing pointers to compressed instructions for wide instruction word processor architectures |
| 48 | PSL87     | Microprocessor Architecture            | US5964867 | Method for inserting memory prefetch operations based on measured latencies in a program optimizer  |
| 49 | PSL87     | Microprocessor Architecture            | US6026479 | Apparatus and method for efficient switching of CPU mode between regions of high instruction level parallelism and low instruction level parallelism in computer programs   |
| 50 | PSL87     | Microprocessor Architecture            | US6195754 | Method and apparatus for tolerating power outages of variable duration in a multi-processor system  |
| 51 | PSL87     | Microprocessor Architecture            | US6308261 | Computer system having an instruction for probing memory latency  |
| 52 | PSL87     | Microprocessor Architecture            | US6799263 | Prefetch instruction for an unpredicted path including a flush field for indicating whether earlier prefetches are to be discarded and whether in-progress prefetches are to be aborted   |
| 53 | PSL87     | Microprocessor Instructions            | US5721893 | Exploiting untagged branch prediction cache by relocating branches  |
| 54 | PSL87     | Microprocessor Instructions            | US5809450 | Method for estimating statistics of properties of instructions processed by a processor pipeline  |
| 55 | PSL87     | Microprocessor Instructions            | US6189141 | Control path evaluating trace designator with dynamically adjustable thresholds for activation of tracing for high (hot) activity and low (cold) activity of flow control   |
| 56 | PSL87     | Microprocessor Instructions            | US6219833 | Method of using primary and secondary processors  |
| 57 | PSL87     | Microprocessor Instructions            | US6463523 | Method and apparatus for delaying the execution of dependent loads  |
| 58 | PSL87     | Microprocessor Instructions            | US6651176 | Systems and methods for variable control of power dissipation in a pipelined processor  |
| 59 | PSL87     | Microprocessor Instructions            | US6691207 | Method and apparatus for implementing loop compression in a program counter trace   |
| 60 | PSL87     | Microprocessor Instructions            | US6845501 | Method and apparatus for enabling a compiler to reduce cache misses by performing pre-fetches in the event of context switch  |
| 61 | W110415-A | Computer Network and System Management | US5819042 | Method and apparatus for guided configuration of unconfigured network and internetwork devices  |
| 62 | W110415-A | Computer Network and System Management | US6505256 | Automatic synchronization of state colors across a web-based system   |
| 63 | W110415-A | Computer Network and System Management | US7010717 | Facility creation process for clustered servers   |
| 64 | W110415-A | Computer Network and System Management | US7111202 | Autonomous boot failure detection and recovery  |
| 65 | W110415-A | Computer Network and System Management | US7120684 | Method and system for central management of a computer network  |

|    |           |  |           |  |
|----|-----------|--|-----------|--|
| 66 | W110415-A | Computer Network and System Management | US7240090 | Data queueing  |
| 67 | W110415-A | Computer Network and System Management | US7249115 | Network modelling  |
| 68 | W110415-A | Computer Network and System Management | US7359978 | Providing secure access through network firewalls  |
| 69 | W110415-A | Computer Network and System Management | US7366857 | Internal disk array mirror architecture  |
| 70 | W110415-A | Computer Network and System Management | US7383379 | Manipulating data in a data storage device using an auxiliary memory device  |
| 71 | W110415-A | Computer Network and System Management | US7444679 | Network, method and computer readable medium for distributing security updates to select nodes on a network                          |
| 72 | W100702-A | Network and System Management          | US7185111 | Available server determination   |
| 73 | W100702-A | Network and System Management          | US7320032 | Methods and structure for reducing resource hogging  |
| 74 | W100702-A | Network and System Management          | US7346808 | Diagnostic method, system, and program that isolates and resolves partnership problems between a portable device and a host computer |
| 75 | W100702-A | Network and System Management          | US7404205 | System for controlling client-server connection requests   |
| 76 | W100702-A | Network and System Management          | US7434141 | Network-based memory error decoding system and method  |
| 77 | W100702-A | Network and System Management          | US7447764 | Peripheral devices, systems for providing job operations for a plurality of host devices, and peripheral device monitoring methods   |
| 78 | W100702-A | Network and System Management          | US7457881 | Method and apparatus for sending data from one protocol layer to another   |
| 79 | W100702-A | Network and System Management          | US7508763 | Method to regulate traffic congestion in a network   |
| 80 | W100702-A | Network and System Management          | US7571221 | Installation of network services in an embedded network server   |
| 81 | W091113-A | Network and Systems Management         | US5991897 | Diagnostic module dispatcher   |
| 82 | W091113-A | Network and Systems Management         | US6687762 | Network operating system adapted for simultaneous use by different operating systems   |
| 83 | W091113-A | Network and Systems Management         | US6711621 | System and method of implementing network core protocol within a sockets model   |
| 84 | W091113-B | Network Data Transfer                  | US5742602 | Adaptive repeater system   |
| 85 | W091113-B | Network Data Transfer                  | US6198727 | Method and apparatus for providing 10Base-T/100Base-TX link assurance  |

|     |           |                                |           |  |
|-----|-----------|--------------------------------|-----------|--|
| 86  | W091113-B | Network Data Transfer          | US6381288 | Method and apparatus for recovering data from a differential phase shift keyed signal  |
| 87  | W091113-B | Network Data Transfer          | US6865231 | High-speed interconnection adapter having automated crossed differential pair correction   |
| 88  | W110506-A | Networking                     | US5920698 | AUTOMATIC DETECTION OF A SIMILAR DEVICE AT THE OTHER END OF A WIRE IN A COMPUTER NETWORK   |
| 89  | W110506-A | Networking                     | US5923654 | NETWORK SWITCH THAT INCLUDES A PLURALITY OF SHARED PACKET BUFFERS  |
| 90  | W101210-A | Networking                     | US5923663 | Method and apparatus for automatically detecting media connected to a network port   |
| 91  | W101210-A | Networking                     | US5983269 | Method and apparatus for configuring routing paths of a network communicatively interconnecting a number of processing elements                          |
| 92  | W101210-A | Networking                     | US6041065 | Flexible multi-frequency repeater  |
| 93  | W101210-A | Networking                     | US6049889 | High performance recoverable communication method and apparatus for write-only networks  |
| 94  | W110701-A | Networking                     | US6429762 | Data communication isolation transformer with improved common-mode attenuation   |
| 95  | W110506-A | Networking                     | US6603808 | DUAL MODE PHONE LINE NETWORKING MODEM UTILIZING CONVENTIONAL TELEPHONE WIRING  |
| 96  | W110506-A | Networking                     | US6631131 | TRANSPOSE TABLE BIASED ARBITRATION SCHEME  |
| 97  | W101210-A | Networking                     | US6647099 | Administrative control and security of modems  |
| 98  | W110506-A | Networking                     | US6744812 | DUAL MODE PHONE LINE NETWORKING MODEM UTILIZING CONVENTIONAL TELEPHONE WIRING  |
| 99  | W110701-A | Networking                     | US7173926 | Method to eliminate user setup for installation of broadband modems, routers, and integrated modem-routers   |
| 100 | W101210-A | Networking                     | US7308494 | Reprovisioning technique for an interconnect fabric design   |
| 101 | W110128-A | Web Server                     | US5941959 | System for transferring a data stream to a requestor without copying data segments to each one of multiple data source/sinks during data stream building |
| 102 | W110128-A | Web Server                     | US5961598 | System And Method For Internet Gateway Performance Charting  |
| 103 | W110128-A | Web Server                     | US5974463 | A scaleable network system for remote access of a local network  |
| 104 | W110128-A | Web Server                     | US7076796 | Virtual media from a directory service   |
| 105 | W110128-A | Web Server                     | US7203764 | System and method for distributing load among redundant independent stateful world wide web server sites   |
| 106 | W110128-A | Web Server                     | US7222177 | Methods and structure for implementing web server quality-of-service control   |
| 107 | W110128-A | Web Server                     | US7376741 | System For Aborting Response To Client Request If Detecting Connection Between Client Server Is Closed By Examining Local Server Information             |
| 108 | W090417-A | Database Management Technology | US5440732 | Key-range locking with index trees   |
| 109 | W090417-A | Database Management            | US5485607 | Concurrency-control method and apparatus in a database management system utilizing key-valued  |

|     |           | Technology                     |           | locking   |
|-----|-----------|--------------------------------|-----------|---|
| 110 | W090417-A | Database Management Technology | US5504900 | Commitment ordering for guaranteeing serializability across distributed transactions                      |
| 111 | W090417-A | Database Management Technology | US6044375 | Automatic extraction of metadata using a neural network   |
| 112 | W090417-A | Database Management Technology | US6785687 | System for and method of efficient, expandable storage and retrieval of small datasets                    |
| 113 | W090417-A | Database Management Technology | US6816856 | System for and method of data compression in a valueless digital tree representing a bitset               |
| 114 | W090417-A | Database Management Technology | US6954757 | Framework, architecture, method and system for reducing latency of business operations of an enterprise   |
| 115 | W090612-B | Embedded Software Creation     | US6163780 | System and apparatus for condensing executable computer software code                                     |
| 116 | W090612-B | Embedded Software Creation     | US6856994 | System and method for condensing application software   |
| 117 | W090612-B | Embedded Software Creation     | US7089251 | Methods for processing condensed computer code  |
| 118 | W090612-B | Embedded Software Creation     | US7093245 | System and apparatus for upgrading concentrated executable computer software code without reconcentration |
| 119 | W090612-B | Embedded Software Creation     | US7096463 | System and apparatus for dynamically upgrading concentrated executable computer software code             |
| 120 | W090612-A | Embedded Software Execution    | US7036111 | Code verification system and method   |
| 121 | W090612-A | Embedded Software Execution    | US7069396 | Deferred memory allocation for application threads  |
| 122 | W090612-A | Embedded Software Execution    | US7320129 | Native language verification system and method  |
| 123 | W110311-A | Graphics Software              | US5889994 | Method for cataloging graphics primitives by rendering state  |
| 124 | W090925-A | Graphics Software              | US6052132 | Technique for providing a computer generated face having coordinated eye and head movement                |
| 125 | W090925-A | Graphics Software              | US6172682 | Detecting insideness of a rectangle to an arbitrary polygon   |
| 126 | W110311-A | Graphics Software              | US6175373 | Method and apparatus for presenting video on a display monitor associated with a computer                 |
| 127 | W110311-A | Graphics Software              | US6300959 | Method and system condensing animated images  |
| 128 | W090925-A | Graphics Software              | US6359618 | Using irradiance textures for photorealistic image generation   |
| 129 | W110311-A | Graphics Software              | US6753878 | Parallel pipelined merge engines  |
| 130 | W110311-A | Graphics Software              | US7151864 | Information research initiated from a scanned image media   |
| 131 | W110311-A | Graphics Software              | US7254279 | Method for image stabilization by adaptive filtering  |
| 132 | W110311-A | Graphics Software              | US7714858 | Distributed rendering of interactive soft shadows   |



|     |           |                                     |           |   |
|-----|-----------|-------------------------------------|-----------|---|
| 133 | W100108-A | Graphics Software - Motion Analysis | US6683968 | Method for visual tracking using switching linear dynamic system models   |
| 134 | W100108-A | Graphics Software - Motion Analysis | US6694044 | Method for motion classification using switching linear dynamic system models   |
| 135 | W100108-A | Graphics Software - Motion Analysis | US6778704 | Method and apparatus for pattern recognition using a recognition dictionary partitioned into subcategories                  |
| 136 | W100108-A | Graphics Software - Motion Analysis | US6944317 | Method for motion classification using switching linear dynamic systems models  |
| 137 | W100108-A | Graphics Software - Motion Analysis | US6999601 | Method for visual tracking using switching linear dynamic systems models  |
| 138 | W091211-A | Secure Software Distribution        | US5615061 | Method of preventing software piracy by uniquely identifying the specific magnetic storage device the software is stored on |
| 139 | W091211-A | Secure Software Distribution        | US6324691 | Manufacture of software distribution media packages from components resident on a remote server source                      |
| 140 | W100702-B | Security                            | US7058685 | Validation and audit of e-media delivery  |
| 141 | W100702-B | Security                            | US7187772 | Anonymous transactions based on distributed processing  |
| 142 | W100122-A | Security                            | US7308707 | Communication and authentication of a composite credential utilizing obfuscation  |
| 143 | W100702-B | Security                            | US7472271 | Methods and devices relating to distributed computing environments  |
| 144 | W100115-B | Video Signal Processing             | US5539473 | Dot clock generation with minimal clock skew  |
| 145 | W100115-B | Video Signal Processing             | US5552783 | Constant current voltage restoration  |
| 146 | W100115-B | Video Signal Processing             | US5629720 | Display mode processor  |
| 147 | W100115-B | Video Signal Processing             | US7023470 | Self-testing video display devices and method of use thereof  |
| 148 | W100115-B | Video Signal Processing             | US7038669 | System and method for providing a reference video signal  |
| 149 | W100402-A | Cooling System                      | US6422814 | Fan brake for removable module  |
| 150 | W100402-A | Cooling System                      | US6972956 | Collapsible fan and system and method incorporating same  |
| 151 | W100402-A | Cooling System                      | US7164582 | Cooling system with submerged fan   |
| 152 | W111021-A | Operating System                    | US5579478 | System Administration Module For An Operating System Affords Graded Restricted Access Privileges                            |
| 153 | W111021-A | Operating System                    | US6453461 | A METHOD AND APPARATUS FOR INTERFACING A GENERIC PROGRAM WITH ASL PLUG AND PLAY CODE IN AN ACPI OPERATING SYSTEM            |
| 154 | W111021-A | Operating System                    | US6505258 | COMPREHENSIVE INTERFACE BETWEEN BIOS AND DEVICE DRIVERS TO SIGNAL EVENTS  |
| 155 | W111021-A | Operating System                    | US6549930 | METHOD FOR SCHEDULING THREADS IN A MULTITHREADED PROCESSOR  |
| 156 | W111021-A | Operating System                    | US7099978 | Method And System Of Completing Pending I/O Device Reads In A Multiple-processor Computer System                            |
| 157 | W111021-A | Operating System                    | US7107579 | Preserving Program Context When Adding Probe Routine Calls For Program Instrumentation                                      |
| 158 | W111021-A | Operating System                    | US7149873 | Methods And Apparatus For A Dual Address Space Operating System   |

|     |           |                  |           |   |
|-----|-----------|------------------|-----------|---|
| 159 | W111021-A | Operating System | US7203775 | System And Method For Avoiding Deadlock |
|-----|-----------|------------------|-----------|---|

#### Foreign Patents

| Item # | Lot ID    | Lot Title                              | Patent #                        | Patent Title   |
|--------|-----------|--|---------------------------------|--|
| 160    |           |  | None (intentionally left blank) |  |
| 161    | W091113-A | Network and Systems Management         | JP3410748                       | COMPUTER SYSTEM MANAGER  |
| 162    | W091113-A | Network and Systems Management         | CH520769                        | COMPUTER SYSTEM MANAGER  |
| 163    | W091113-A | Network and Systems Management         | DE520769                        | COMPUTER SYSTEM MANAGER  |
| 164    | W091113-A | Network and Systems Management         | FR520769                        | COMPUTER SYSTEM MANAGER  |
| 165    | W091113-A | Network and Systems Management         | GB520769                        | COMPUTER SYSTEM MANAGER  |
| 166    | W110415-A | Computer Network and System Management | MX PA/a/2004/007787             | Method and System for Central Management of a Computer Network         |
| 167    | PSL87     | Microprocessor Instructions            | JP3711206                       | Supertree  |
| 168    | PSL87     | Microprocessor Instructions            | DE926594                        | Supertree  |
| 169    | PSL87     | Microprocessor Instructions            | FR926594                        | Supertree  |
| 170    | PSL87     | Microprocessor Instructions            | GB926594                        | Supertree  |
| 171    | W100702-B | Security                               | EP1202202                       | Validation and audit of e-media delivery                               |
| 172    | PSL87     | Microprocessor Architecture            | FR752656                        | FAULT-TOLERANT MULTIPLE PROCESSOR SYSTEM WITH DUPLEXED PROCESSOR PAIRS |
| 173    | PSL87     | Microprocessor Architecture            | GB752656                        | FAULT-TOLERANT MULTIPLE PROCESSOR SYSTEM WITH DUPLEXED PROCESSOR PAIRS |